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#8
6-18-02

In re Application of: Ryusuke Hasegawa et al. Group Art Unit: 3747
Serial No.: 09/779,877 Examiner: Hai H. Huynh
Filed: February 8, 2001
For: **MAGNETIC CORE-COIL ASSEMBLY FOR
SPARK IGNITION SYSTEMS**
Old Docket No.: 11872-022001 / 30-4106USRei
New Docket No.: 0017-28 Re

Morristown, NJ 07960
February 20, 2002

RECEIVED

Assistant Commissioner for Patents
Washington, DC 20231

MAR 15 2002
TECHNOLOGY CENTER R3700


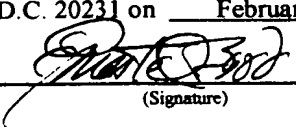
Sir:

AMENDMENT UNDER 37 CFR 1.111

In response to the Office Action dated November 30, 2001, the following remarks are filed. Claims 1-18 are under consideration.

REMARKS

Applicants' invention, as recited by present claims 1 to 18, provides a magnetic core-coil assembly for a coil-per-plug (CCP) spark ignition transformer. Such CCP spark ignition transformers are suited for use in ignition systems of internal combustion engines. The assembly is capable of rapidly generating a high voltage output from a secondary coil in response to a low voltage excitation of a primary coil. Advantageously, the core-coil assembly of the present invention (i) can repeatedly generate the high voltages required for ignition events in an internal combustion system; (ii) efficiently transfers energy from the coil to the plug; (iii) exhibits very low core loss, thereby enabling it to provide a highly accurate representation of the ignition profile for use in adaptive engine control; and (iv) is easier to manufacture than prior art systems and devices employing toroidal cores, especially in the ungapped aspects of the invention.

AMENDMENT TRANSMITTAL LETTER				ATTORNEY'S DOCKET NO.: 0017-28 Re / 30-4106 USRei		
SERIAL NUMBER: 09/779,877	FILED DATE: MAR 11 2002 February 8, 2001	EXAMINER: Hai H. Huynh		GROUP ART UNIT: 3747		
INVENTION: MAGNETIC CORE-CORE ASSEMBLY FOR SPARK IGNITION SYSTEMS				RECEIVED MAR 15 2002 TECHNOLOGY CENTER R3700		
INVENTOR(s): Ryusuke Hasegawa et al.						
TO THE ASSISTANT COMMISSIONER FOR PATENTS: Transmitted herewith is an amendment in the above-identified application. The fee has been calculated as shown below.						
CLAIMS AS AMENDED						
(1) TOTAL CLAIMS	(2) CLAIMS REMAINING AFTER AMENDMENT	(3) MINUS	(4) HIGHEST NUMBER PREVIOUSLY PAID FOR	(5) NO. OF EXTRA CLAIMS PRESENT	(6) RATE	(7) ADDITIONAL FEE
TOTAL CLAIMS	**18	MINUS	*18	0	X \$18	0.00
INDEP. CLAIMS	**5	MINUS	*5	0	X \$84	0.00
TOTAL ADDITIONAL FEE FOR THIS AMENDMENT						\$ 0.00
<p>* If the entry in column 2 is less than the entry in column 4, write "0" in column 5. ** If the "Highest Number Previously Paid For" IN THIS SPACE is less than 20, write "20" in this space. *** If the "Highest Number Previously Paid For" IN THIS SPACE is less than 3, write "3" in this space.</p> <p><input checked="" type="checkbox"/> No additional fee is required.</p> <p><input type="checkbox"/> Charge \$ _____ to Deposit Account No. _____. A triplicate copy of this sheet is enclosed.</p> <p><input type="checkbox"/> The undersigned petitions for any extension of time for filing this document required under 37 C.F.R. 1.136 and requests that the \$ _____ fee be charged to Deposit Account No. 01-1125. A triplicate copy of this sheet is enclosed.</p> <p><input checked="" type="checkbox"/> Charge any additional fees to Deposit Account No. 01-1125</p>						
February 20, 2002 Date			 Signature			
			Ernest D. Buff Attorney Name			
(973) 644-0008 Phone			25,833 Reg. Number			
I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Assistant Commissioner for Patents, Washington, D.C. 20231 on February 20, 2002.						
 (Signature)						
Ernest D. Buff Attorney of Record						
February 20, 2002 (Date)						